



SEQIT: Visualizing Sequences of Interest in Eye-Tracking Data

Michael M.A. Wu, Tamara Munzner

University of British Columbia

Task

Inspect eye-tracking data and explore to discover sequences of interest.

Data

Fixations of multiple users performing 30-second tasks; user characteristic measures.

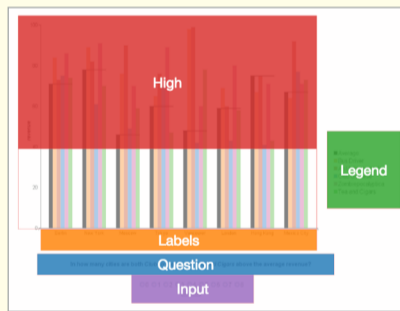
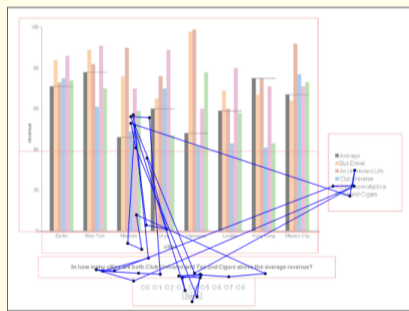
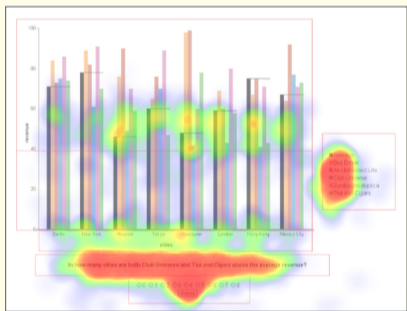
Solution

Multiform views with linked coloring and highlighting; data aggregation.



Review Panel

visual stimulus in the background, additional data as overlay.



User Characteristics Panel

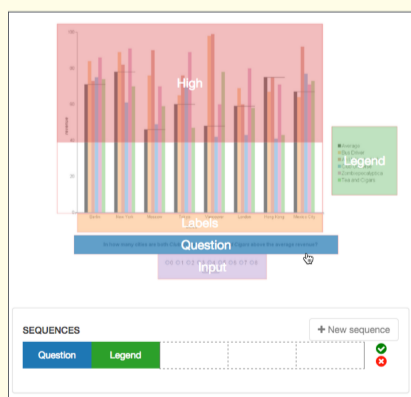
Multiple user characteristic measures are shown in bar charts that allow **sorting** for finding correlations in the data.

In this example:

- perceptual speed
- verbal working memory
- visual working memory

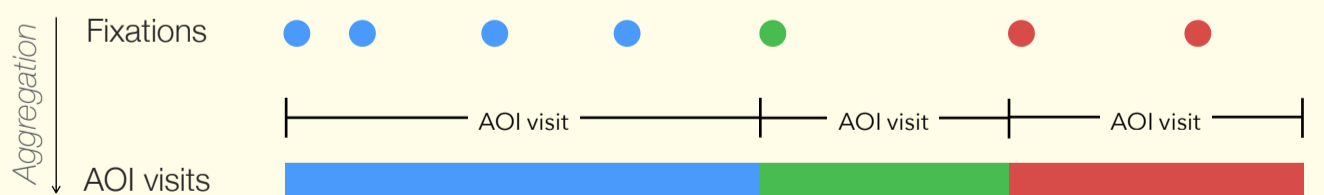
Sequence Tool Panel

This tool helps create and explore sequence patterns.



Timeline Panel

overview of AOI visits, color-coded by AOI.



Details on demand by hovering:

Absolute time scale reveals trial length.

